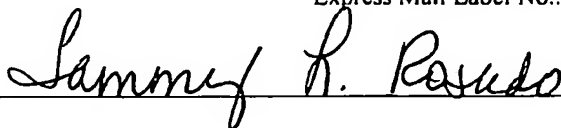


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Typed or Printed Name: Tammy L. Rosado

Inventors: Nicholas LEAVY and Michael L. HALL, Jr.

**USE OF PER-FLOW MONOTONICALLY DECREASING TTLs
TO PREVENT IDS CIRCUMVENTION**

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application is related to the co-pending application entitled "USE OF PACKET HASHES TO PREVENT TCP RETRANSMIT OVERWRITE ATTACKS,"
19M
10/01/10 ~~Attorney Docket No. CIS03-67(8487)~~; Application Serial No. ~~180~~ ^{10/820,327}, filed on even date herewith, the disclosure of which is hereby incorporated herein by reference in its entirety.

BACKGROUND

[0002] A typical computer networking system may include, among other things, an intrusion detection system (IDS) configured to monitor network traffic and to block attempted attacks on or intrusions into the protected network space. Such intrusion detection systems may coexist with various types of firewalls, packet monitors, and other devices and typically include intrusion sensing functions (e.g., advanced routers). These systems include both active and passive devices and may be generally referred to as "sensors." Passive network sensors, for example, may utilize "promiscuous mode" access: a promiscuous network monitoring device, commonly referred to as a sniffer, examines copies of all of the packets directly from the